REPORT DOCUMENTATION PAGE AFRL-SE		AFRL-SR-BL-	TR-01-
nathering and maintaining the data needed, a	information is estimated to average 1 hour per nd completing and reviewing the collection of so for reducing this burden, to Washington Hea 2202-4302, and to the Office of Management	information. Send	\$, is an
1. AGENCY USE ONLY (Leave bla	17	3. REPORT TYPE AND DATES	
4. TITLE AND SUBTITLE 2001 Electrochemistry Gordon	Research Conference	5. FUN	2001 - 30 June 2001 DING NUMBERS 0-01-1-0097
6. AUTHOR(S) Dr. Carlyles B. Storm			
7. PERFORMING ORGANIZATION Gordon Research Conferences I P.O. Box 984 Kingston, RI 02892-0984			FORMING ORGANIZATION ORT NUMBER
9. SPONSORING/MONITORING A AFOSR/NL 801 North Randolph Street, Roc Arlington, VA 22203-1977	om 732	200108	10 115
11. SUPPLEMENTARY NOTES			
12a. DISTRIBUTION AVAILABILIT		AIR FORCE OFFICE OF SCIENTIFI	STRIBUTION COPURT
APPROVED FOR PUBLIC RE	LEASE: DISTRIBUTION UNI	LIMITEIES BEEN REVIEWED AND IS APF FAWAFR 190-12. DISTRIBUTION	
The conference was well attend	ords) ce (GRC) on Electrochemistry we ded with 121 participants. The a y, and government laboratories,	ttendees represented the spectru	m of endeavor in this field
target areas in this field. There Time for formal presentations v communicate their most recent:	rs program, emphasis was placed was a conscious effort to stimula vas limited in the interest of grownesults, poster presentation time formal discussions. Such discuss	ate lively discussion about the ke up discussions. In order that mo was scheduled. In addition to th	y issues in the field today. re scientists could ese formal interactions, "free
14. SUBJECT TERMS			15. NUMBER OF PAGES
			6 16. PRICE CODE
17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
Unclas	Unclas	Unclas	



GORDON RESEARCH CONFERENCES frontiers of science

P.O. Box 984, West Kingston, RI 02892-0984 Phone: 401 783-4011 • Fax: 401 783-7644 E-Mail: grc@grcmail.grc.uri.edu World Wide Web: http://www.grc.uri.edu

200 GORDON RESEARCH CONFERENCE

on Electrochemistry

FINAL PROGRESS REPORT

AFOSR F49620-01-1-0097

The Gordon Research Conference (GRC) on Electrochemistry was held at Holiday Inn, Ventura, CA, January 14-19, 2001. The conference was well attended with 121 participants (list enclosed). The attendees represented the spectrum of endeavor in this field coming from academia, industry, and government laboratories, both US and foreign scientists, senior researchers, young investigators, and students.

In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field. There was a conscious effort to stimulate lively discussion about the key issues in the field today. Time for formal presentations was limited in the interest of group discussions. In order that more scientists could communicate their most recent results, poster presentation time was scheduled. In addition to these formal interactions, "free time" was scheduled to allow informal discussions. Such discussions are fostering new collaborations and joint efforts in the field (program enclosed).

I want to personally thank you for your support of this Conference. As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings. If you wish any further details, please feel free to contact me. Thank you.

Debra Rolison Conference Chair

Electrochemistry

Our theme: If Charge Moves, It's Electrochemistry!

14-19 January 2001 Holiday Inn Ventura, CA

Chair: Debra Rolison [Naval Research Laboratory] Chair of Vice: Henry White [University of Utah]

14 January 2001

Getting to Know You

Sun p.m.

1600-1800 Chair's Reception for all Attendees

1800

Dinner

14 January 2001 Sun p.m.

Energy Transduction via Biological Charge in Motion

Discussion Leader: Tayhas Palmore [Brown University]

1930-2100 Carlo Montemagno [Cornell University]

Engineering Life into Nanofabricated Systems

2100-2300 Chair's Reception: Part Deux

15 January 2001 Mon a.m.

"Field" Day

Discussion Leader: Johna Leddy [University of Iowa]

0900-1000 Nicholas Leventis [University Missouri-Rolla]

Magnetohydrodynamic Voltammetry with Disk Millielectrodes

Photo Op 1000

1020-1120 Coffee Break/Poster Session I

1120-1155 Mike Elliott [Colorado State University]

Effects of Magnetic Fields on Photogenerated Charge-Separated States of Donor-Chromophore-

Acceptor Supramolecular Assemblies

1155-1230 Ralph Nuzzo [University of Illinois - Urbana] **Driven Assembly of Electroactive Microstructures**

1700-1800 Social Hour/Poster Session I

15 January 2001 Mon p.m.

"Field" Day

Discussion Leader: Carol Korzeniewski [Texas Tech]

1930-2030 Geri Richmond [University of Oregon]

Hydrogen Bonding at Water Surfaces: Some Surprisingly Weak Interactions

2030-2130 Eric Stuve [University of Washington]

Ionization of Water in High Electric Fields at and near a Metal (Electrode) Surface

16 January 2001

Tues a.m.

Electrochemistry / Materials

Discussion Leader: Nick Abbott [University of Wisconsin - Madison]

0900-1000 George Whitesides [Harvard University]

Electrochemical Generation of Functional Structures

1000-1110 Coffee Break/Poster Session II

1110-1150 Rebecca Jackman [MIT]

Microfluidic Reactors for Electrosynthesis

1150-1230 Werner Kuhr [UC-Riverside]

Electrochemically Based Computer Memories

1700-1800 Social Hour/Poster Session II

16 January 2001 Tues p.m.

Electrochemistry / Materials

Discussion Leader: Dick Buck [UNC-CH]

1930-2010 Eric Bakker [Auburn University]

What's New with Ions at Electrified Interfaces?

2010-2050 Sossina Haile [Cal Tech]

The Search for Improved Solid-State Proton Conductors

2050-2130 Dick Crooks [Texas A&M] Single File in a Single Pore

17 January 2001 Wed a.m.

Nanoelectronics and Electrochemistry

Discussion Leader: Dan Feldheim [NCSU]

0900-1000 Mark Ratner [Northwestern University]

The Theory of Electron and Charge Transport in Nanoscopic Wires

1000-1110 Coffee Break/Poster Session III

1110-1150 Tom Mallouk [Penn State University]

Nanowires: Synthesis, Characterization, and Assembly

1150-1230 Cliff Kubiak [UC-San Diego]

Chemically Gating Current Flow Through Molecular Nanostructures

1700-1800 Social Hour/Poster Session III

17 January 2001 Wed p.m.

Open Session/Mayhem

Discussion Leader: Henry White [University of Utah]

1930-2130 10-min talks from selected attendees

18 January 2001 Home Stretch Thu a.m.

New Efforts in Electrochemical Power Sources

Discussion Leader: Kathy Ayers [Eveready Battery Company]

0900-1000 Marc Koper [Eindhoven University]

Theoretical and Experimental Investigations of the Electrooxidation of Fuels

1000-1110 Coffee Break/Poster Session IV

1110-1150 Viola Birss [University of Calgary]

Sol-Gel-Derived Ion-Insertion Materials for Batteries And Ultracapacitors

1150-1230 Robert Savinell [Case Western Reserve University]

Microfabricated Miniature Fuel Cells

1700-1800 Social Hour/Poster Session IV

18 January 2001 Home Stretch

Thu p.m.

Electrochemistry in Unusual Media

Discussion Leader: John Turner [NREL]

1930-2020 Daren Caruana [University College, London]

Electrochemistry in Flames

2020-2100 Michael McKubre [SRI]

Electrochemical Effects in Aircraft Fuel Tank Explosions

2130-0600 WETS PARTY!!!!

















Copyright © 2001 Gordon Research Conferences Last Updated: 1/4/01 by <u>Jeff Carroll</u>

ELECTROCHEMISTRY

Holiday Inn, Ventura, CA (14-Jan-01) - (19-Jan-01)

NOTE: Receipt of Application does not guarantee acceptance to a Conference. Applications are reviewed by the Conference Chair. If the Chair approves your application, you become **Accepted**, and a registration packet will be mailed immediately. Please allow 3-5 days for your registration to reach you by mail once your name appears. When your registration packet has been received back in our office, you become **Registered**.

Only those who have been Accepted or Registered will have their names listed below. Names of people who have only applied and have yet to be accepted will NOT appear.

Name Organization Discussion Leader Registered Register			Participation	Status
NICHOLAS LABBUTT NEAL ARMSTRONG NEAL ARMSTRONG NEAL ARMSTRONG NICH UNIVERSITY OF ARZONA ARTHERINE E AYERS WENDY'S BAKER TEXAS ARM UNIVERSITY NOLOMON B BASAME NENCHARD STATE WINVERSITY NOLOMON B BASAME NEKIB BAYACHOU VIOLA BIRSS UNIVERSITY OF NEW MEXICO NIVERSITY OF NEW MEXICO Poster Presenter Registered Registered Registered NIVERSITY OF NEW MEXICO Poster Presenter Registered NIVERSITY OF NEW MEXICO Poster Presenter Registered NIVERSITY OF NEW MEXICO Poster Presenter Registered Registered Registered NIVERSITY OF NEW MEXICO Poster Presenter Registered Registered NIVERSITY OF NEW MEXICO Poster Presenter Registered Registered Registered Registered NIVERSITY OF CALED AND AND AND AND AND AND AND AND AND AN	Name	Organization		
REAL ARMSTRONG KATHERINE E AYERS EVEREADY BATTERY COMPANY (ENERGIZER) ERIC BAKKER AUBURN UNIVERSITY Speaker Registered Re	NICHOLAS L ABBOTT	•		•
NEAL ARMS IRONS WENDY'S BAKER EXPERADY BATTERY COMPANY (ENERGIZER) WENDY'S BAKER EXPERADY BATTERY COMPANY (ENERGIZER) Poster Presenter Registered Registere	HECTOR ABRUNA			•
WENDY S BAKER AUBURN UNIVERSITY SOLOMON B BASAME UNIVERSITY OF NEW MEXICO Poster Presenter Registered MEXKI BAYACHOU CLEVELAND STATE UNIVERSITY Attendee Registered MEXKI BAYACHOU UNIVERSITY OF CALGARY VIOLA LBIRSS UNIVERSITY OF CALGARY VIOLA LBIRSS UNIVERSITY OF CALGARY Speaker Registered MEXKI BAYACHOU UNIVERSITY OF FLORIDA AMBARTER-TOTH SAMUEL E BUAH UNIVERSITY OF FLORIDA AMBARTER-TOTH SAMUEL E BUAH UNIVERSITY OF FLORIDA AMURICASITY OF CAPE COAST, GHANA UNIVERSITY OF CAPE COAST, GHANA DISCUSSION Leader Registered Registe	NEAL ARMSTRONG	UNIVERSITY OF ARIZONA		•
WENDY'S BASKER EICL BAKKER SOLOMON B BASAME UNIVERSITY OF NEW MEXICO MEKKI BAYACHOU VIOLA LBIRSS UNIVERSITY OF NEW MEXICO LEVELAND STATE UNIVERSITY Attendee Registered MINUSERSITY OF CALGARY Speaker ANNA BRAJTER-TOTH UNIVERSITY OF CALGARY Attendee Registered Registered Registered Registered RICHARD P BUCK JAMES D BURGESS ASE WESTERN RESERVE UNIVERSITY Attendee Registered Regist	KATHERINE E AYERS	EVEREADY BATTERY COMPANY (ENERGIZER)		•
RENC BASKER SOLOMON B BASAME MEKKI BAYACHOU CLEVELAND STATE UNIVERSITY SOLOMON B BASAME MEKKI BAYACHOU CLEVELAND STATE UNIVERSITY Speaker ANNA BRAJTER TOTH SAMUEL E BUAH UNIVERSITY OF FLORIDA Attendee Accepted UNIVERSITY OF FLORIDA Attendee Accepted UNIVERSITY OF FLORIDA Attendee Accepted UNIVERSITY OF CAPE COAST, GHANA UNIVERSITY OF ALBERT ALTERDACE	WENDY S BAKER	TEXAS A&M UNIVERSITY		•
SOLOMON B BASANE WINVERSITY OF CALGARY VIOLA I BIRSS UNIVERSITY OF CALGARY Altendee Accepted Speaker Registered Accepted NUMERSITY OF CAPE COAST, GHANA Discussion Leader NUMERSITY OF CAPE COAST, GHANA Altendee Accepted Accepted Discussion Leader North Altendee Accepted North Altendee Accepted Registered Accepted Discussion Leader North Altendee Registered Accepted Acc	ERIC BAKKER	, , , , , , , , , , , , , , , , , , , ,	•	•
MEKKI BAYACHOU CLEVELAND STATE UNIVERSITY VIOLA L BIRSS UNIVERSITY OF FLORIDA AMUREL E BUAH UNIVERSITY OF CAPE COAST, GHANA Discussion Leader Registered Accepted Registered Accepted Registered Registere	SOLOMON B BASAME			•
MINUERSITY OF CALGARY Speaker Registered ANNA BRAJTER-TOTH UNIVERSITY OF CAPE COAST, GHANA Attendee Accepted	-	CLEVELAND STATE UNIVERSITY		•
AMNA BRAJTER-TOTH SAMUEL E BUAH INIVERSITY OF CAPE COAST, GHANA Attendee Accepted Registered Attendee Accepted Attendee Accepted Registered Attendee Registered Attendee Registered Attendee Accepted Attendee Registered Attendee Accepted Attendee Registered Attendee Accepted Attendee Registered Attendee Registered Attendee Accepted Attendee Registered Registered Attendee Registered Attendee Registered Registered Registered Registered Attendee Registered Reg		UNIVERSITY OF CALGARY	•	•
SAMUEL E BUAH NICHARD P BUCK JAMES D BURGESS CASE WESTERN RESERVE UNIVERSITY BETZDEARBORN Attendee Registered Registered Registered Registered Attendee Registered Attendee Registered Registered Registered Registered Registered Attendee Registered	**	UNIVERSITY OF FLORIDA		•
RICHARD P BUCK JAMES D BURGESS ALTERNÉES D BURGESS BETZDEARBORN ALTERNÉES D BURGESS ALTERNÉES D BURGESS BETZDEARBORN ALTERNÉES D BURGESS BETZDEARBORN ALTERNÉES D BURGESS BETZDEARBORN ALTERNÉES D BURGESS ALTERNÉES D BURGESS ALTERNÉES D BURGESS BETZDEARBORN ALTERNÉES D BURGESS ALTERNÉES D BURGES D BURGESS ALTERNÉES D BURGES D BURGESS ALTERNÉES D BURGES D BURGESS ANDREW G EWING ALTERNÉES D BURGES BROOKHAVEN NATIONAL LABORATORY ALTERNÉES D BURGES BROOKHAVEN BURGES BROOKHAVEN BROOKHAVEN		UNIVERSITY OF CAPE COAST, GHANA		•
JAMES D BURGESS CASE WESTERN RESERVE UNIVERSITY Altendee PAUL R BURGMAYER DANIEL A BUTTIRY UNIVERSITY OF WYOMING Altendee Registered Registered Attendee Registered Registered Registered Registered Attendee Registered Registered Registered Attendee Registered Registered Attendee Registered Attendee Registered Registere				-
PAUL R BURGMAYER DANIEL A BUTTRY UNIVERSITY OF WYOMING Attendee Registered RARLAN J BYKER PLEOTINT, LLC RICHARD T CARLIN OFFICE OF NAVAL RESEARCH DAREN J CARUANA UNIVERSITY COLLEGE. LONDON Speaker Registered Registered Registered W. VES CHILLOS MALGORZATA CISZKOWSKA ANDREWIC CHEN MALGORZATA CISZKOWSKA BROOKLYN COLLEGE. CUNY MALGORZATA CISZKOWSKA ANDREMIT UNIVERSITY VANDERBILT UNIVERSITY WANDERBILT UNIVERSITY ANDREMIC TUNIVERSITY ANDREMIC TOROND STEPHEN E CREAGER RICHARD M CROOKS TEXAS A&M UNIVERSITY RICHARD M CROOKS TEXAS A&M UNIVERSITY RICHARD M CROOKS TEXAS A&M UNIVERSITY RICHARD M CROOKS TOROND MORTHIWESTERN UNIVERSITY ROSEP Presenter Registered Reg		CASE WESTERN RESERVE UNIVERSITY		•
DANIEL A BUTTRY HARLAN J BYKER HARLAN J BYKER RICHARD T CARLIN OFFICE OF NAVAL RESEARCH Attendee Registered Registered Attendee Registered Regi		BETZDEARBORN		•
HARLAN J BYKER RICHARD T CARLIN OFFICE OF NAVAL RESEARCH RICHARD T CARLIN OFFICE OF NAVAL RESEARCH Attendee Registered Re		UNIVERSITY OF WYOMING	Attendee	•
RICHARD T CARLIN DAREN I CARUANA UNIVERSITY COLLEGE, LONDON Speaker Registered Registere				•
DAREN J CARUANA SHAOWEI CHEN SHAOWEI CHEN SHAOWEI CHEN SOUTHERN ILLINOIS UNIVERSITY MALGORZATA CISZKOWSKA DAVID CLIFFEL MARYANNE M COLLINSON STEPHEN E CREAGER RICHARD M CROOKS XIAOJUN DANG CARRIE L DONLEY UNIVERSITY OF ARIZONA BRUCE DUNN CARRIEL LLIOTT DENNIS H EVANS ANDREW G EWING STEPHEN W FELDBERG DANL FELDHEIM STEPHEN W FELDBERG DANL FELDHEIM SOCK HAVE NORTH CAROLINA STATE UNIVERSITY DAVID GENTAL FORSTER NORTH CAROLINA STATE UNIVERSITY DAVID BAG ANDREW G EWING STEPHEN W FELDBERG DANL H FLOHEL SIED DUBLIN CITY UNIVERSITY DAVID GAO BROOKLAYEN NATIONAL LABORATORY XIAOPING GAO ROSINA M GEORGIADIS SOSSINA M GEORGIADIS SOSSINA M HABLE SUSAN M HABLE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW G HILLIER UNIVERSITY OF VAIGINIA BOOKLAY OLLEGE, CUNY ANDREW G HAVENSON DAVID CLIFFEL NORTH CAROLINA STATE UNIVERSITY ANDREW G FOR THE WAY ANDREW G FO			Attendee	
SHAOWEI CHEN W. VES CHILDS MALGORZATA CISZKOWSKA BROOKLYN COLLEGE, CUNY Altendee Registered Attendee Registered Attendee Registered Attendee Registered Registered Attendee Registered Registered RATGORZATA CISZKOWSKA DAVID CLIFFEL WARYANNE M COLLINSON STEPHEN E CREAGER CLEMSON UNIVERSITY RICHARD M CROOKS TEXAS ASM UNIVERSITY RICHARD M CROOKS XIAOJUN DANG NORTHWESTERN UNIVERSITY ROSTEP Presenter Registered Attendee Registered Attendee Registered Registered Attendee Registered Registered Registered Registered Registered Registered Registered Registered Registered Attendee Registered Registe				-
MALGORZATA CISZKOWSKA DAVID CLIFFEL MARYANNE M COLLINSON STEPHEN E CREAGER RICHARD M CROOKS XIAOJUN DANG CARRIE L DONLEY BRUCE DUNN COLORADO STATE UNIVERSITY DENNIS H EVANS ANDERBLY OF DELAWARE ANDREW G EWING FRED FAYIER DAN L FELDHEIM ROBERT J FORSTER XIAOJUN GAO DAN L FELDHEIM ROBERT J FORSTER DUBLIN CITY UNIVERSITY DUBLIN CITY UNIVERSITY DUBLIN CITY UNIVERSITY Speaker Registered		SOUTHERN ILLINOIS UNIVERSITY	Poster Presenter	-
MALGORZATA CISZKOWSKA DAVID CLIFFEL VANDERBILT UNIVERSITY DAVID CLIFFEL VANDERBILT UNIVERSITY STEPHEN E CREAGER RICHARD M CROOKS TEXAS A&M UNIVERSITY XIAOJUN DANG CARRIEL DONLEY UNIVERSITY OF ARIZONA BRUCE DUNN UNIVERSITY OF ARIZONA UNIVERSITY OF CALIFORNIA, LOS ANGELES ANDREW G EWING FRED FAWIER DANL FELDHEIM ROBERT J FORSTER DUBLIN CITY UNIVERSITY ALTEROPICA ALTEROPICALS, INC. ROSINAM M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON DOCE THE HILLE ANDREW C HILLIER SUSAN M HENDRICKSON DOCE THE HILLE VANDER BERCEA J JACKMAN JINI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY DETER T KISSINGER VANDERSITY OF CALIFORNIA, DAIS VANDERSITY OF CALIFORNIA, DAIS VANDERSITY OF DELAWARE ANDREW C HILLIER VANDERSITY OF DELAWARE ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JINI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY DETER T KISSINGER VALUE WAS AND		3M	Attendee	
DAVID CLIFFEL MARYANNE M COLLINSON KANSAS STATE UNIVERSITY STEPHEN E CREAGER CLEMSON UNIVERSITY SPEAKER KANSAS STATE UNIVERSITY SPEAKER CLEMSON UNIVERSITY CARRIE L DONLEY UNIVERSITY OF ARIZONA Registered Regist			Attendee	•
MARYANNE M COLLINSON STEPHEN E CREAGER RICHARD M CROOKS TEXAS A&M UNIVERSITY RICHARD M CROOKS TEXAS A&M UNIVERSITY ROSER Presenter Registered R			Poster Presenter	Registered
STEPHEN E CREAGER RICHARD M CROOKS RICHARD M CROOKS XIAOJUN DANG CARRIE L DONLEY BRUCE DUNN UNIVERSITY OF ARIZONA BRUCE DUNN UNIVERSITY OF CALIFORNIA, LOS ANGELES CAMERIE L LIOTT DENNIS H EVANS ANDREW G EWING FRED FAMIER STEPHEN W FELDBERG DAN L FELDHEIM ROBERT J FORSTER XIAOPING GAO ROSINA M GEORGIADIS SOSSINA M HAILE SUSSINA M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG RESECCA J JACKMAN JIRI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY MINVERSITY OF CALIFORNIA, DRIPS VIADINIS HEXANS UNIVERSITY OF CALIFORNIA, LOS ANGELES CLEMSON UNIVERSITY DOSINE Presenter Registered Re			Poster Presenter	Registered
RICHARD M CROOKS XIAOJUN DANG XIAOJUN DANG			Poster Presenter	Registered
XIAOJUN DANG CARRIE L DONLEY BRUCE DUNN UNIVERSITY OF ARIZONA UNIVERSITY OF CALIFORNIA, LOS ANGELES CALIFORNIA, LOS ANGELES UNIVERSITY OF CALIFORNIA, LOS ANGELES Attendee Registered Registered Registered Registered Attendee Registered Attendee Registered Attendee Registered ROBERT J FORSTER RIADPING GAO ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY REGISTER CONTROLLEGE VIAOMING REGISTER REGISTERED RE			Speaker	Registered
CARRIE L DONLEY BRUCE DUNN UNIVERSITY OF CALIFORNIA, LOS ANGELES Attendee Registered C. MICHAEL ELLIOTT DENNIS H EVANS UNIVERSITY OF DELAWARE ANDREW G EWING FRED FAVIER STEPHEN W FELDBERG DAN L FELDHEIM NORTH CAROLINA STATE UNIVERSITY BOSSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER ROBECA J JACKMAN JIRI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY MICHAEL J JOHNSON VIADIMI ROMANICKY UNIVERSITY OF CALIFORNIA, BCR KERLEY VIADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA, BCR KERLEY VIADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA INSTITUTE Registered Registere		• —	Poster Presenter	Registered
BRUCE DUNN C. MICHAEL ELLIOTT DENNIS H EVANS ANDREW G EWING FRED FAVIER STEPHEN W FELDBERG DAN L FELDHEIM ROBERT J FORSTER XIAOPING GAO ROSINA M GEORGIADIS SOSSINA M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKE WINS COLORADO STATE UNIVERSITY COLORADO STATE UNIVERSITY COLORADO STATE UNIVERSITY DELAWARE Attendee Registered Registe			Poster Presenter	Registered
C. MICHAEL ELLIOTT DENNIS H EVANS ANDREW G EWING PENN STATE UNIVERSITY Attendee Registered Registered RED FAVIER STEPHEN W FELDBERG DAN L FELDHEIM ROBERT J FORSTER XIAOPING GAO ROSINA M GEORGIADIS SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER UNIVERSITY OF DELAWARE Attendee Registered Register			Attendee	Registered
DENNIS H EVANS ANDREW G EWING FRED FAVIER STEPHEN W FELDBERG DAN L FELDHEIM ROBERT J FORSTER XIAOPING GAO ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SED FAVIER SOSPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY RESISTER MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY UNIVERSITY OF DELAWARE Attendee Registered R			Speaker	Registered
ANDREW G EWING FRED FAVIER STEPHEN W FELDBERG DAN L FELDHEIM ROBERT J FORSTER XIAOPING GAO ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GEORGIA M GEORGIA INSTITUTE OF TECHNOLOGY JURI ARRONAL C SCHENICAL S STEMS STEMS STEMS STEMS SINGER VIADIMIR KOMANICKY Attendee Registered Reg			Attendee	Registered
FRED FAVIER STEPHEN W FELDBERG DAN L FELDHEIM NORTH CAROLINA STATE UNIVERSITY NORTH CAROLINA STATE UNIVERSITY DUBLIN CITY UNIVERSITY NORTH CAROLINA STATE UNIVERSITY DUBLIN CITY UNIVERSITY NORTH CAROLINA STATE UNIVERSITY NO			Attendee	Registered
STEPHEN W FELDBERG DAN L FELDHEIM NORTH CAROLINA STATE UNIVERSITY DUBLIN CITY UNIVERSITY NIAOPING GAO ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAPEL J JOHNSON PETER T KISSINGER UNIVERSITY OF CALIFORNIA, DAVIS VIADIMIR KOMANICKY BROOKHAVEN NATIONAL LABORATORY Discussion Leader Registered Register		CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS	Poster Presenter	Registered
DAN L FELDHEIM ROBERT J FORSTER XIAOPING GAO ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY REGISTER MIT GEORGIA INSTITUTE OF TECHNOLOGY REGISTER REG		RPOOKHAVEN NATIONAL LABORATORY	Attendee	Registered
ROBERT J FORSTER XIAOPING GAO AIR PRODUCTS & CHEMICALS, INC. ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VIADIMIR KOMANICKY DUBLIN CITY UNIVERSITY Attendee Registered			Discussion Leader	Registered
XIAOPING GAO ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY ROSINA M GEORGIADIS BOSTON UNIVERSITY BOSTON UNIVERSITY BOSTON UNIVERSITY CALIFORNIA INSTITUTE OF TECHNOLOGY BOSTON UNIVERSITY DAVIDSON COLLEGE POSTER Presenter Registered			Attendee	Registered
ROSINA M GEORGIADIS SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY BOSTON UNIVERSITY CALIFORNIA INSTITUTE OF TECHNOLOGY DAVIDSON COLLEGE UNC-CHAPEL HILL Poster Presenter Registered			Attendee	Registered
ROSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY REGISTERED CALIFORNIA INSTITUTE OF TECHNOLOGY DAVIDSON COLLEGE Poster Presenter Registered			Poster Presenter	Registered
SOSSINA M HAILE SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY CALIPORNIA INSTITUTE OF TECHNOLOGY DOSTOR Presenter Registered				Registered
SUSAN M HENDRICKSON JOCELYN F HICKS ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY DAVIDSON COLLEGE LOVIC-CHAPEL HILL Poster Presenter Registered				_
ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY OUNIVERSITY OF VIRGINIA UNIVERSITY OF VIRGINIA SPOSTER Presenter Registered R				-
ANDREW C HILLIER SEONGPIL HWANG REBECCA J JACKMAN JIRI (ART) JANATA GREGORY JERKIEWICZ MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY UNIVERSITY OF VIKGINIA, SEORICA INSTITUTE OF SCIENCE & TECHNOLOGY Poster Presenter Registered				-
REBECCA J JACKMAN MIT Speaker Registered JIRI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY Poster Presenter Registered GREGORY JERKIEWICZ UNIVERSITE DE SHERBROOKE Poster Presenter Registered MICHAEL J JOHNSON UNIVERSITY OF CALIFORNIA, BERKELEY Poster Presenter Registered PETER T KISSINGER BIOANALYTICAL SYSTEMS, INC. Poster Presenter Registered VLADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA, DAVIS Speaker Registered VLADIMIR KOMANICKY REGISTERED		UNIVERSITY OF VIRGINIA		•
REBECCA J JACKMAN JIRI (ART) JANATA GEORGIA INSTITUTE OF TECHNOLOGY MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY VLADIMIR KOMANICKY MICHAEL J JANATA GEORGIA INSTITUTE OF TECHNOLOGY UNIVERSITY OF CALIFORNIA, BERKELEY BIOANALYTICAL SYSTEMS, INC. VLADIMIR KOMANICKY MICHAEL J JOHNSON POster Presenter Registered	200			•
GREGORY JERKIEWICZ UNIVERSITE DE SHERBROOKE MICHAEL J JOHNSON PETER T KISSINGER UNIVERSITY OF CALIFORNIA, BERKELEY PETER T KISSINGER UNIVERSITY OF CALIFORNIA, DAVIS VLADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA, DAVIS Speaker Registered			-1	•
MICHAEL J JOHNSON PETER T KISSINGER VLADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA, BERKELEY DIAMACTICAL SYSTEMS, INC. Poster Presenter Registered				•
MICHAEL J JOHNSON ONIVERSITY OF CALIFORNIA, DEVICED PETER T KISSINGER VLADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA, DAVIS VLADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA, DAVIS Speaker Registered Registered Registered				
PETER T KISSINGER VLADIMIR KOMANICKY UNIVERSITY OF CALIFORNIA, DAVIS Poster Presenter Registered Registered Registered				•
VLADIMIR KOMANICKY UNIVERSITY OF CATALYSIS Speaker Registered		BIOANALYTICAL SYSTEMS, INC.		-
MARC KOPER SCHUIT INSTITUTE OF CATALTSIS Speaker Registered		UNIVERSITY OF CALIFORNIA, DAVIS		•
	MARC KOPER	SCHULL INSTITUTE OF CATALTSIS	Speaker	05.50.00

CAROL KORZENIEWSKI	TEXAS TECHNICAL UNIVERSITY	Discussion Leader	Registered
KSENIA KRYLOVA	PENNSYLVANIA STATE UNIVERSITY	Attendee	Registered
CLIFFORD P KUBIAK	UNIVERSITY OF CALIFORNIA, SAN DIEGO	Speaker	Registered
	UNIVERSITY OF CALIFORNIA, RIVERSIDE	Speaker	Registered
WERNER G KUHR		Attendee	Registered
THEODORE KUWANA	UNIVERSITY OF KANSAS		_
JOHNA LEDDY	UNIVERSITY OF IOWA	Discussion Leader	Registered
NICHOLAS LEVENTIS	UNIVERSITY OF MISSOURI, ROLLA	Speaker	Registered
CHUNZENG LI	DIGITAL INSTRUMENTS/VEECO	Attendee	Registered
HONGTAO LIU	UNIVERSITY OF CALIFORNIA, IRVINE	Attendee	Registered
	NAVAL RESEARCH LABORATORY	Poster Presenter	Registered
JEFFREY W LONG		Poster Presenter	Registered
CYNTHIA A LUNDGREN	DUPONT, CR&D		•
LESLIE J LYONS	GRINNELL COLLEGE	Poster Presenter	Registered
THOMAS E MALLOUK	PENNSYLVANIA STATE UNIVERSITY	Speaker	Registered
CHARLES R MARTIN	UNIVERSITY OF FLORIDA	Poster Presenter	Accepted
RICHARD L MCCREERY	OHIO STATE UNIVERSITY	Attendee	Registered
		Attendee	Registered
JAMES A MCINTYRE	DOW CHEMICAL		Registered
MIKE C MCKUBRE	SRI INTERNATIONAL	Speaker	-
CARLO D MONTEMAGNO	CORNELL UNIVERSITY	Speaker	Registered
ROYCE W MURRAY	UNIVERSITY OF NORTH CAROLINA, CHAPEL HIL	Attendee	Registered
ZOLTAN NAGY	ARGONNE NATIONAL LABORATORY	Attendee	Registered
	UNIVERSITY OF CALIFORNIA, IRVINE	Poster Presenter	Registered
KWOK H NG		Poster Presenter	Registered
MICHAEL L NORTON	MARSHALL UNIVERSITY		-
RALPH G NUZZO	UNIVERSITY OF ILLINOIS	Speaker	Registered
JOHN J O'DEA	NORTH CAROLINA STATE UNIVERSITY	Attendee	Registered
ILWHAN OH	KOREA ADVANCED INSTITUTE OF SCIENCE & TECHNOLOGY	Poster Presenter	Registered
G. TAYHAS R PALMORE	DIVISION OF ENGINERRING BOX D	Discussion Leader	Registered
	UNIVERSITY OF ARIZONA	Attendee	Registered
JEANNE E PEMBERTON			Registered
REGINALD M PENNER	UNIVERSITY OF CALIFORNIA, IRVINE	Attendee	-
JEREMY PIETRON	US NAVAL RESEARCH LABORATORY	Poster Presenter	Registered
STEVEN RAGSDALE	BROADLEY-JAMES CORPORATION	Poster Presenter	Registered
MARK A RATNER	NORTHWESTERN UNIVERSITY	Speaker	Registered
JODY G REDEPENNING	UNIVERSITY OF NEBRASKA	Poster Presenter	Registered
		Attendee	Registered
THOMAS C RICHARDS	GILLETTE CORPORATE R&D		-
GERALDINE L RICHMOND	UNIVERSITY OF OREGON	Speaker	Registered
JASON E RITCHIE	UNIVERSITY OF MISSISSIPPI	Attendee	Registered
DAVID B ROBINSON	STANFORD UNIVERSITY	Poster Presenter	Registered
DEBRA R ROLISON	NAVAL RESEARCH LAB	Chair	Registered
	UNIVERSITY OF CALIFORNIA	Poster Presenter	Registered
KRISTIAN M ROTH		Attendee	Registered
JUDITH F RUBINSON	GEORGETOWN UNIVERSITY		_
ISRAEL RUBINSTEIN	WEIZMANN INSTITUTE OF SCIENCE	Poster Presenter	Registered
ANDREA E RUSSELL	UNIVERSITY OF SOUTHAMPTON	Poster Presenter	Registered
JEFF S SAKAMOTO	UNIVERSITY OF CALIFORNIA, LOS ANGELES	Poster Presenter	Registered
SHAWN A SAPP	COLORADO STATE UNIVERSITY	Poster Presenter	Registered
	CASE WESTERN RESERVE UNIVERSITY	Speaker	Registered
ROBERT F SAVINELL		Attendee	Registered
KRISTIAN M SCABOO	XANTHON INC	Poster Presenter	-
EIICHI SHOJI	CALIFORNIA INSTITUTE OF TECHNOLOGY		Registered
HERBERT P SILVERMAN	BROADLEY-JAMES CORPORATION	Attendee	Registered
ANDREW F SLATERBECK	UNIVERSITY OF CENTRAL FLORIDA	Attendee	Registered
KRZYSZTOF SLOWINSKI	CALIFORNIA STATE UNIVERSITY, LONG BEACH	Poster Presenter	Registered
	CHEMMOTIF, INC.	Poster Presenter	Registered
MARK T SPITLER	UNIVERSITY OF TEXAS. AUSTIN	Attendee	Registered
KEITH J STEVENSON	•		Accepted
JOHN L STICKNEY	UNIVERSITY OF GEORGIA	Poster Presenter	
ERIC M STUVE	UNIVERSITY OF WASHINGTON	Speaker	Registered
DOMENIC J TIANI	UNIVERSITY OF ARIZONA	Poster Presenter	Registered
JOHN A TURNER	NATIONAL RENEWABLE ENERGY LAB	Discussion Leader	Registered
ROBERT L TURNER	3M COMPANY	Attendee	Registered
	UNIVERSITY OF UTAH	Poster Presenter	Registered
OLIVIA D UITTO		Attendee	Registered
RICHARD M VAN EFFEN	DOW CHEMICAL COMPANY		-
HAL VAN RYSWYK	HARVEY MUDD COLLEGE	Poster Presenter	Registered
PETR VANYSEK	ACLARA BIOSCIENCES	Attendee	Registered
ALEXANDER VASKEVICH	WEIZMANN INSITUTE OF SCIENCE	Poster Presenter	Registered
JEAN M WALLACE	NAVAL RESEARCH LABORATORY	Attendee	Registered
	TAMKANG UNIVERSITY	Poster Presenter	Registered
WEN-JWU WANG		Vice Chair	Registered
HENRY WHITE	UNIVERSITY OF UTAH		•
GEORGE M WHITESIDES	HARVARD UNIVERSITY	Speaker	Registered
ANDRZEJ WIECKOWSKI	UNIVERSITY OF ILLINOIS	Poster Presenter	Registered
MARY BETH WILLIAMS	NORTHWESTERN UNIVERSITY	Poster Presenter	Registered
DAVID O WIPF	MISSISSIPPI STATE UNIVERSITY	Attendee	Registered
	TIANJIN INSTITUTE OF LIGHT INDUSTRY	Attendee	Accepted
MA XINHUA		Poster Presenter	Registered
MICHAEL P ZACH	UC, IRVINE		•
FRANCIS P ZAMBORINI	UNIVERSITY OF NORTH CAROLINA - CHAPEL HILL	Poster Presenter	Registered
REBECCA A ZANGMEISTER	UNIVERSITY OF ARIZONA	Poster Presenter	Registered